

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|--|------------------|---------|------------------|
| | | 349/153 and (conduct\$ or dummy)and insulat\$ and overlap\$ | USPAT | OR | OFF | 2003/04/25 10:07 |
| | | 345/206 and (conduct\$ or dummy)and insulat\$ and overlap\$ and (top adj gate) | USPAT | OR | OFF | 2001/07/25 09:00 |
| | | 349/151 and (conduct\$ or dummy)and insulat\$ and overlap\$ and (top adj gate) | USPAT | OR | OFF | 2001/07/25 08:59 |
| | | 349/149 and (conduct\$ or dummy)and insulat\$ and overlap\$ and (top adj gate) | USPAT | OR | OFF | 2001/07/25 08:58 |
| | | 349/149 and (conduct\$ or dummy)and insulat\$ and overlap\$ | USPAT | OR | OFF | 2001/07/25 08:57 |
| | | 349/155 and (conduct\$ or dummy)and insulat\$ and overlap\$ | USPAT | OR | OFF | 2001/07/25 08:56 |
| | | 349/190 and (conduct\$ or dummy)and insulat\$ and overlap\$ | USPAT | OR | OFF | 2001/07/25 08:55 |
| | | 349/153 and (conduct\$ or dummy)and insulat\$ | USPAT | OR | OFF | 2006/12/11 14:45 |
| | | 349/153 and (conduct\$ or dummy) | USPAT | OR | OFF | 2004/11/24 14:56 |
| | | 349/190 and (conduct\$ or dummy)and (top adj gate) and crystal\$ | USPAT | OR | OFF | 2004/11/29 13:02 |
| L1 | 69 | ((conductive scan\$4 data signal) and material and (pitch distance) and isolat\$4 and (liquid adj crystal)).clm. | US-PGPUB | OR | ON | 2007/07/11 12:50 |
| L2 | 15 | (conduct\$4 near10 (signal scan\$4)) and (extend\$4 near10 pitch) and @ad<"19961216" and (isolat\$4 spac\$4) and (liquid adj crystal) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/11 12:53 |
| L3 | 213 | (conduct\$4 near10 (signal scan\$4)) and (extend\$4 near10 pitch) and @ad<"19961216" and (isolat\$4 spac\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/11 12:54 |
| S1 | 136 | 349/190 | USPAT | OR | OFF | 2006/12/12 08:42 |
| S2 | 321 | 349/155 | USPAT | OR | OFF | 2001/07/25 08:40 |
| S3 | 444 | 349/149 | USPAT | OR | OFF | 2001/07/25 08:40 |
| S4 | 176 | 349/151 | USPAT | OR | OFF | 2001/07/25 08:40 |
| S5 | 309 | 345/206 | USPAT | OR | OFF | 2001/07/25 08:42 |

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| S6 | 298 | 349/153 | USPAT | OR | OFF | 2001/07/26 08:15 |
| S7 | 1 | "5995189".pn. | USPAT | OR | OFF | 2002/02/25 10:05 |
| S8 | 4 | 349/153 and (conduct\$ or dummy)and (top adj gate) and crystal\$ | USPAT | OR | OFF | 2002/05/13 10:06 |
| S9 | 407 | (liquid adj crystal) and (conduct\$ or dummy)and (top adj gate) and crystal\$ | USPAT | OR | OFF | 2004/11/24 09:47 |
| S10 | 125 | (liquid adj crystal) and (conduct\$ or dummy)and (top adj gate) and crystal\$ and seal\$4 | USPAT | OR | OFF | 2002/05/13 12:53 |
| S11 | 33 | (liquid adj crystal) and (conduct\$ or dummy)and (top adj gate) and crystal\$ and seal\$4 and semiconductor.as. | USPAT | OR | OFF | 2003/11/06 17:39 |
| S12 | 165 | (liquid adj crystal) and (conduct\$ or dummy)and (top adj gate) and crystal\$ and seal\$4 and semiconductor.as. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/04/25 09:48 |
| S13 | 96 | 349/153 and (conduct\$ or dummy)and insulat\$ and overlap\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/04/25 10:16 |
| S14 | 6 | 349/153 and 349/141 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/04/25 10:39 |
| S15 | 1 | JP02214934.ap. | JPO | OR | OFF | 2003/11/06 15:09 |
| S16 | 1 | JP04219642.ap. | JPO | OR | OFF | 2003/11/06 16:10 |
| S17 | 755 | (liquid adj crystal) and (conduct\$ or dummy)and seal\$4 and semiconductor.as. | US-PGPUB; USPAT; JPO | OR | ON | 2003/11/06 17:40 |
| S18 | 672 | (liquid adj crystal) and (conduct\$ or dummy)and seal\$4 and insulat\$5 and semiconductor.as. | US-PGPUB; USPAT; JPO | OR | ON | 2003/11/06 17:41 |
| S19 | 0 | (liquid adj crystal) and (conduct\$ or dummy)and seal\$4 and insulat\$5 and semiconductor.as. and "349"/\$.ccls. | USOCR | OR | ON | 2003/11/06 17:41 |
| S20 | 139 | (liquid adj crystal) and (conduct\$ or dummy)and seal\$4 and insulat\$5 and semiconductor.as. and "349"/\$.ccls. | US-PGPUB; USPAT; JPO | OR | ON | 2003/11/06 17:48 |
| S21 | 140 | (conduct\$ or dummy)and seal\$4 and insulat\$5 and semiconductor.as. and "349"/\$.ccls. | US-PGPUB; USPAT; JPO | OR | ON | 2003/11/06 17:49 |

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| S22 | 89 | (conduct\$ or dummy)and (gate or scan\$4)and (data or signal)and seal\$4 and insulat\$5 and semiconductor.as. and "349"/\$.ccls. | US-PGPUB; USPAT; JPO | OR | ON | 2003/11/06 17:51 |
| S23 | 5 | ((conduct\$ or dummy)and (gate or scan\$4)and (data or signal)and seal\$4) near10 insulat\$5 and semiconductor.as. and "349"/\$.ccls. | US-PGPUB; USPAT; JPO | OR | ON | 2003/11/06 17:55 |
| S24 | 79 | ((conduct\$ or dummy)and (gate or scan\$4)and (data or signal)and seal\$4) near10 insulat\$5 and "349"/\$.ccls. | US-PGPUB; USPAT; JPO | OR | ON | 2003/11/06 17:56 |
| S25 | 1 | "20040179164".pn. | US-PGPUB | OR | OFF | 2004/09/21 08:54 |
| S26 | 10 | 349/153 and (conduct\$ or dummy)and (top adj gate) and crystal\$ | USPAT | OR | OFF | 2004/11/20 10:08 |
| S27 | 11 | 349/153 and (conduct\$ or dummy)and (top adj gate) and crystal\$ | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/20 10:08 |
| S28 | 1716 | (liquid adj crystal) and (conduct\$4 or dummy)and (top adj gate) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/20 10:48 |
| S29 | 1716 | (liquid adj crystal) and (conduct\$4 or dummy)and (top adj gate) and crystal\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/20 10:49 |
| S31 | 1 | "5200847".pn. | USPAT | OR | OFF | 2004/11/20 10:54 |
| S32 | 23 | "5148301".pn. "5179460".pn. "5200847".pn. "5323042".pn. "5396356".pn. "5517344".pn. "5537235".pn. "5572046".pn. "5598283".pn. "5619358".pn. "5621553".pn. "5684547".pn. "5684555".pn. "5691793".pn. "5706069".pn. "5745208".pn. "5798812".pn. "5929959".pn. "5995189".pn. "6011607".pn. "6037005".pn. "6055034".pn. "6072556".pn. | USPAT | OR | ON | 2004/11/23 15:36 |

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| S33 | 73 | (liquid adj crystal) and ((conduct\$4 or dummy) near10 seal\$4)and (top adj gate) and crystal\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/23 15:45 |
| S34 | 2873722 | (conduct\$4 or dummy) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/24 09:57 |
| S35 | 565691 | (conduct\$4 or dummy) near10 material | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/24 09:57 |
| S36 | 23834 | (conduct\$4 or dummy) near10 material near10 (gate scan\$4 data signal) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/03 15:31 |
| S37 | 131 | ((conduct\$4 or dummy) near10 material near10 (gate scan\$4 data signal)) near10 seal\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/24 11:44 |
| S38 | 11 | ((conduct\$4 or dummy) near10 material near10 (gate scan\$4 data signal)) near10 seal\$4 and (seal\$4 near10 drive\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/24 10:00 |
| S39 | 23834 | ((conduct\$4 or dummy) near10 material near10 (gate scan\$4 data signal)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/24 11:45 |
| S40 | 2949 | ((conduct\$4 or dummy) near10 material near10 (gate scan\$4 data signal)) and (liquid adj crystal) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/24 11:46 |

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| S41 | 1228 | ((conduct\$4 or dummy) near10 material near10 (gate scan\$4 data signal)) and (liquid adj crystal)and seal\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/24 11:46 |
| S42 | 201 | ((conduct\$4 or dummy) near10 material near10 (gate scan\$4 data signal)) and (liquid adj crystal)and seal\$4 and (top adj gate) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/24 11:48 |
| S43 | 96 | ((conduct\$4 or dummy) near10 material near10 (gate scan\$4 data signal)) and (liquid adj crystal)and seal\$4 and (top adj gate)and rectangular | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/24 14:50 |
| S44 | 74 | ((conduct\$4 or dummy) near10 material near10 (gate scan\$4 data signal)) near10 rectangular | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/24 14:53 |
| S45 | 13 | ((conduct\$4 or dummy) near10 material near10 (gate scan\$4 data signal)) near10 rectangular and (liquid adj crystal) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/24 14:54 |
| S46 | 617 | 349/153 and (conduct\$ or dummy) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/24 14:58 |
| S48 | 83 | 349/190 and ((conduct\$ or dummy) near10 seal\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/24 16:23 |
| S49 | 4 | ((rectangular adj wave) or zogzag) near10 ((conduct\$4 or dummy) near10 seal\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/24 16:26 |

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| S50 | 266 | 349/153 and ((conduct\$ or dummy) near10 seal\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/24 16:32 |
| S51 | 2025 | (top adj gate) and (liquid adj crystal) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/29 13:04 |
| S52 | 1732 | (top adj gate) and (liquid adj crystal) and (conduct\$4 or dummy) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/29 13:09 |
| S53 | 13 | (top adj gate) and (liquid adj crystal) and ((conduct\$4 or dummy) near10 (rectangular or zigzag)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/29 13:05 |
| S54 | 358 | (top adj gate) and "349"/\$.ccls. and (conduct\$4 or dummy) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/29 14:14 |
| S55 | 5 | (top adj gate) and "349"/\$.ccls. and ((conduct\$4 or dummy) near10 (zigzag or rectangular)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/29 14:16 |
| S56 | 226 | "349"/\$.ccls. and ((conduct\$4 or dummy) near10 (zigzag or rectangular)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/29 14:16 |
| S57 | 2794 | (TFT or (thin adj film adj transistor)) near10 crystalline | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/29 17:59 |

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| S58 | 209 | ((TFT or (thin adj film adj transistor)) near10 crystalline) and "349"/\$.cccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/29 17:59 |
| S59 | 924 | (conduct\$4 or dummy) near10 pitch near10 (gate scan\$4 data signal) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/12/03 15:33 |
| S60 | 29 | (conduct\$4 or dummy) near10 extend\$4 near10 pitch near10 (gate scan\$4 data signal) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/07 13:52 |
| S61 | 33 | (conduct\$4 or dummy) near10 extend\$4 near10 pitch near10 (gate scan\$4 data signal) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/07 14:04 |
| S62 | 9076 | ((conduct\$4 or dummy) near10 extend\$4) and pitch and (gate scan\$4 data signal) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/07 14:06 |
| S63 | 1042 | ((conduct\$4 or dummy) near10 extend\$4) and pitch and (gate scan\$4 data signal) and (liquid adj crystal) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/07 14:07 |
| S64 | 35 | ((conduct\$4 or dummy) near10 extend\$4) and pitch and (gate scan\$4 data signal) and (liquid adj crystal) and 349/153 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/07 14:07 |
| S65 | 35 | ((conduct\$4 or dummy) near10 extend\$4) and pitch and (gate scan\$4 data signal) and 349/153 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/07 14:10 |
| S66 | 1 | "5285301".pn. | USPAT | OR | OFF | 2006/06/09 13:11 |

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| S67 | 828 | 349/153 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/09 09:48 |
| S68 | 53 | 349/153 and @ad<"19961216" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/09 10:05 |
| S69 | 618 | (conduct\$4 near10 (signal scan\$4)) and (extend\$4 near10 pitch) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/09 09:57 |
| S70 | 237 | (conduct\$4 near10 (signal scan\$4)) and (extend\$4 near10 pitch) and @ad<"19961216" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/11 14:10 |
| S71 | 16 | (conduct\$4 near10 (signal scan\$4)) and (extend\$4 near10 pitch) and (liquid adj crystal) and @ad<"19961216" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/16 15:50 |
| S72 | 70 | 349/158 and @ad<"19961216" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/06/09 10:06 |
| S73 | 1 | "5757450".pn. | USPAT | OR | OFF | 2006/06/09 13:12 |
| S74 | 213 | (conduct\$4 near10 (signal scan\$4)) and (extend\$4 near10 pitch) and @ad<"19961216" and (isolat\$4 spac\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/11 12:54 |
| S75 | 15 | (conduct\$4 near10 (signal scan\$4)) and (extend\$4 near10 pitch) and @ad<"19961216" and (isolat\$4 spac\$4) and (liquid adj crystal) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/07/11 12:53 |

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| S76 | 97 | 349/153 and (conduct\$ or dummy)and isolat\$ | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/16 15:52 |
| S77 | 33 | 349/190 and (conduct\$ or dummy)and isolat\$ | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/11 14:46 |
| S78 | 106 | 349/155 and (conduct\$ or dummy)and isolat\$ | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/11 14:58 |
| S79 | 148 | 349/149 and (conduct\$ or dummy)and isolat\$ | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/11 14:58 |
| S80 | 66 | 349/151 and (conduct\$ or dummy)and isolat\$ | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/11 14:53 |
| S81 | 117 | 345/206 and (conduct\$ or dummy)and isolat\$ | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/11 14:47 |
| S82 | 25 | 349/151 and (conduct\$ or dummy)and isolat\$ and pitch | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/11 14:54 |

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|-----|-----|---|--|----|-----|------------------|
| S83 | 46 | 349/149 and (conduct\$ or dummy)and isolat\$ and pitch | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/11 15:06 |
| S84 | 27 | 349/155 and (conduct\$ or dummy)and isolat\$ and pitch | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/11 15:02 |
| S85 | 27 | 349/153 and (conduct\$ or dummy)and isolat\$ and pitch | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/12/11 14:59 |
| S86 | 905 | ((conductive scan\$4 data signal) and material and (pitch distance) and isolat\$4).clm. | US-PGPUB | OR | OFF | 2007/03/16 15:59 |
| S87 | 65 | ((conductive scan\$4 data signal) and material and (pitch distance) and isolat\$4 and (liquid adj crystal)).clm. | US-PGPUB | OR | OFF | 2007/03/16 16:00 |
| S88 | 66 | ((conductive scan\$4 gate data signal) and material and (pitch distance) and isolat\$4 and (liquid adj crystal)).clm. | US-PGPUB | OR | OFF | 2006/12/12 08:50 |
| S89 | 16 | (conduct\$4 near10 (signal scan\$4)) and (extend\$4 near10 pitch) and (liquid adj crystal) and @ad<"19961216" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/16 15:50 |
| S90 | 101 | 349/153 and (conduct\$ or dummy)and isolat\$ | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/16 15:52 |
| S91 | 952 | ((conductive scan\$4 data signal) and material and (pitch distance) and isolat\$4).clm. | US-PGPUB | OR | OFF | 2007/03/16 15:59 |
| S92 | 66 | ((conductive scan\$4 data signal) and material and (pitch distance) and isolat\$4 and (liquid adj crystal)).clm. | US-PGPUB | OR | OFF | 2007/07/11 12:49 |

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|----------|------------------|---------|------------------|
| L1 | 69 | ((conductive scan\$4 data signal) and material and (pitch distance) and isolat\$4 and (liquid adj crystal)).clm. | US-PGPUB | OR | ON | 2007/07/11 12:50 |